TELEFUNKEN SERVICE

FERNSEHEN
TELEVISION
TÉLÉVISION

Chassis 318 B

Bestell-Nr. 319 801 004

Service-Einstellungen · Regolazioni di servizio · Service adjustments · Réglages de service

❶ Chassis · Telaio · Chassis

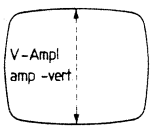
Hauptspannung, Tensione principale, Principal voltage, Tension principale } Usyst.

1. ◑ ☼ min.
2. PP 01 → 101 V ± 1 V (25 cm)
   PP 01 · 104 V ± 1 V (37 cm)

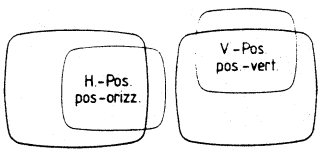
H. Frequ., Frequ. orizz.

1. MT 01– •
   MT 02– •
2. PI 02

PL 03



PL 04 PL 05



PC 01 PAL-Phase · Fase PAL

1. Oscilloscop. → ◇30◇ R–Y
2. Oscilloscop.: 2 Zeilen triggern · trig. 2 linea · trigger to 2 lines
3. PC 01 → min. jitter

UG2 Schirmgitterspannung · tensione griglia schermo · screnn grid voltage

1. HF-Testbild m. schw. Bildinhalt · HF imagine di controllo con contenuto dell'imagine nero · IF-testpattern w. bl. pict. content
2. ◑ + ☼ – standard
3. UG2 → max.
4. Osci. → Coll. TT 52/62/72
5. Mit UG2 Coll. m. höchster Spg. → 145 V (Schwarzschulter) · con UG2 coll. con il massimo della tensione → 145 V (spalla hera) · adjust the coll. (porch) with the highest voltage → 145 V by UG2

❿ **Bildröhrenplatte · piastra cinescopio · CRT-board**

Weißabgleich · aggustiamento bianco · white adjustment

1. Grautreppe einsp. · introdure la scala grigia · feed in grey stage pattern
2. PT 50/PT 70 wechselweise · alternativo · alternating → Bild auf min. Farbstich · colore a livello minimo · to min. color shade

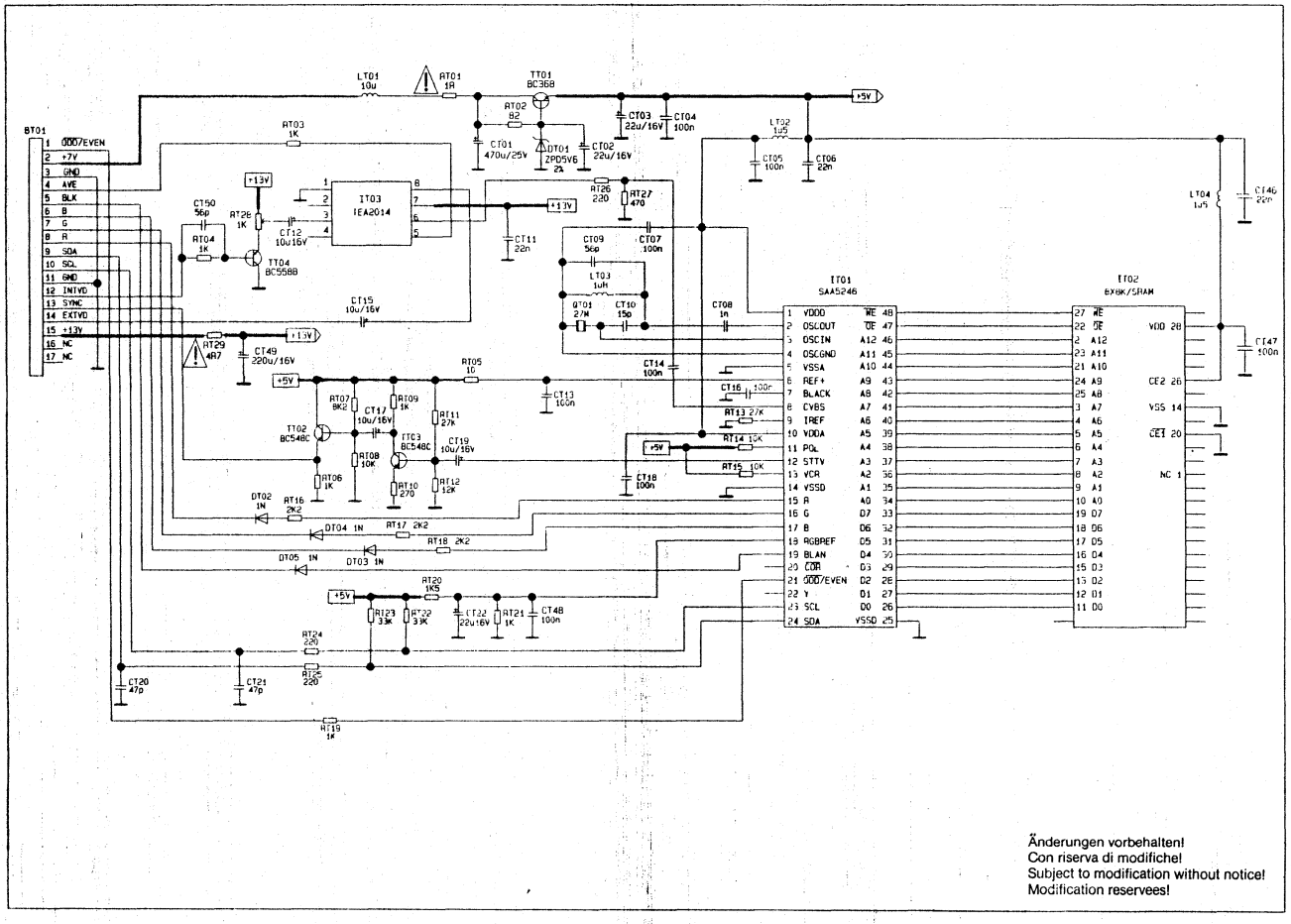
Bauteilekennzeichnung der Funktionsstufen
Codice componenti con sigla dello stadio
Signification of components of the stages
Désignation des composants et des circuits

RC, CC, DC, TC, LC	etc.	→ Chroma	(PAL-Decoder, Decoder PAL)
RF, CF, DF, TF, LF	etc.	→ Field	(Vertikal, Verticale)
RL, CL, DL, TL, LL	etc.	→ Line	(Horizontal, orizzontale)
RP, CP, DP, TP, LP	etc.	→ Power	(Netzteil, Alim. rete)
RS, CS, DS, TS, LS	etc.	→ Sound	(Audio)
RV, CV, DV, TV, LV	etc.	→ Video	(Video)

Legend - Leggenda

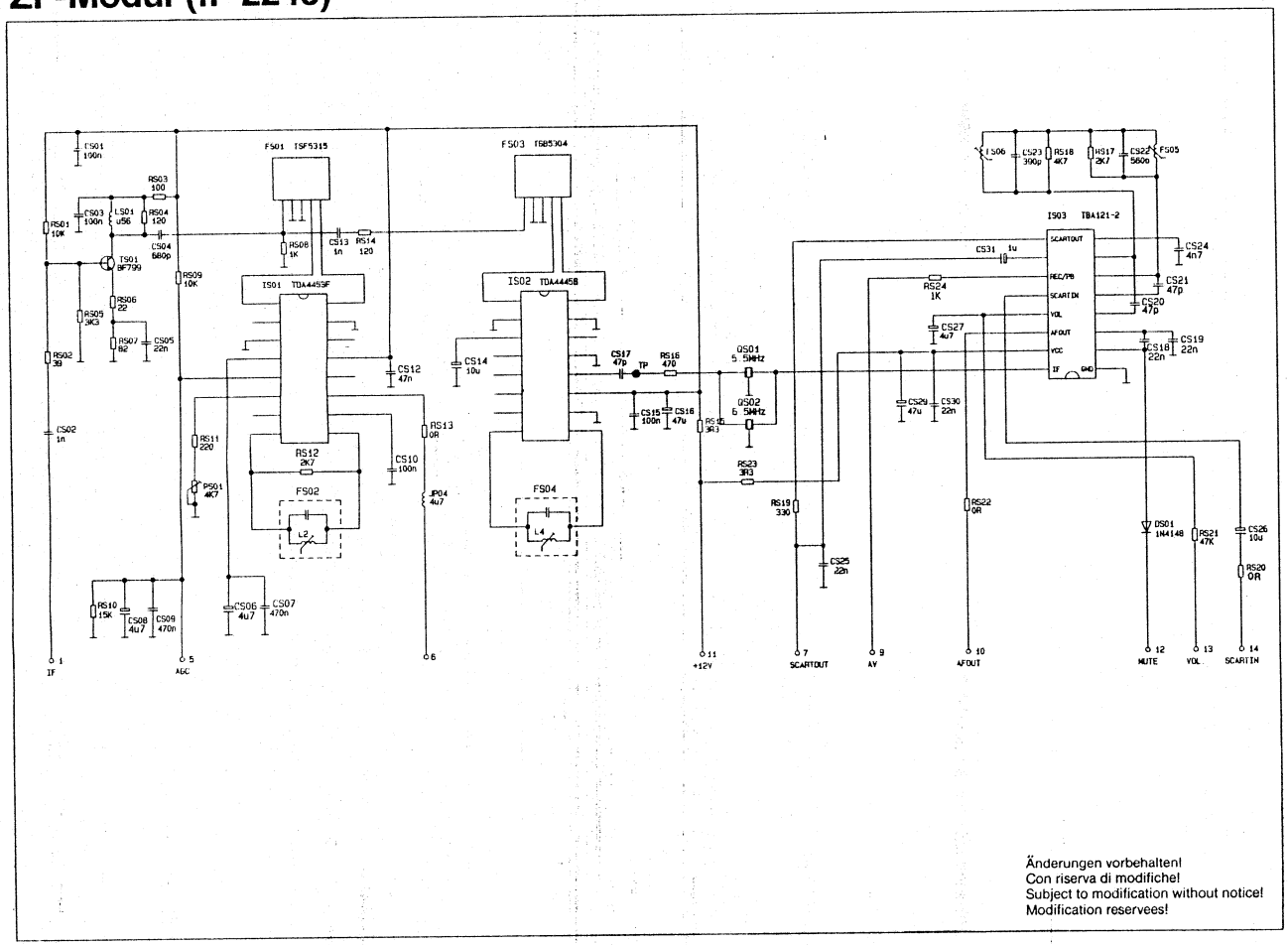
ALARM	ALLARME	AGC FILTER	FILTRO C.A.G.
RADIO PWR	ALIMENTAZIONE RADIO	DL GAIN	RITARDO GUAD.
ENABLE	ABILITAZIONE	DL PHASE	RITARDO FASE
RESET	RESET	PAL VCO FILTER	FILTRO PAL V.C.O.
AV SWITCH	INTERRUTTORE AV	REG VOLT OP	USC. TENS. STAB.
ODD/EVEN	PARI/DISPARI	DELAY	RITARDO
SYNCHRO	SINCRONISMO	AF OUT	USCITA A.F.
R-CLAMP MEM	R-AGG. MEM.	INT AF	INT. A.F.
R-DRIVE MEM	R-PIL. MEM.	AUDIO MUTE	SIL. AUDIO
R-CUT OFF MEM	R-CUT OFF MEM.	SOFT START	PART. LENTA
AV-BEAM LIM REF.	AV-LIMIT. RIFER. RAGGIO	SENSE INPUT	INGR. SENS.
LEAK BEAM FILTER	FILTRO RAGGIO	ERROR AMP OUTPUT	AMPL. ERR.. USC.
SW CUT OFF	INT. CUT OFF	ERROR AMP INPUT	AMPL. ERR.. INGR.
BAND FILTER	FILTRO BANDA		

Videotext (Optional)



Änderungen vorbehalten!
Con riserva di modifiche!
Subject to modification without notice!
Modification reservees!

ZF-Modul (IF 2248)



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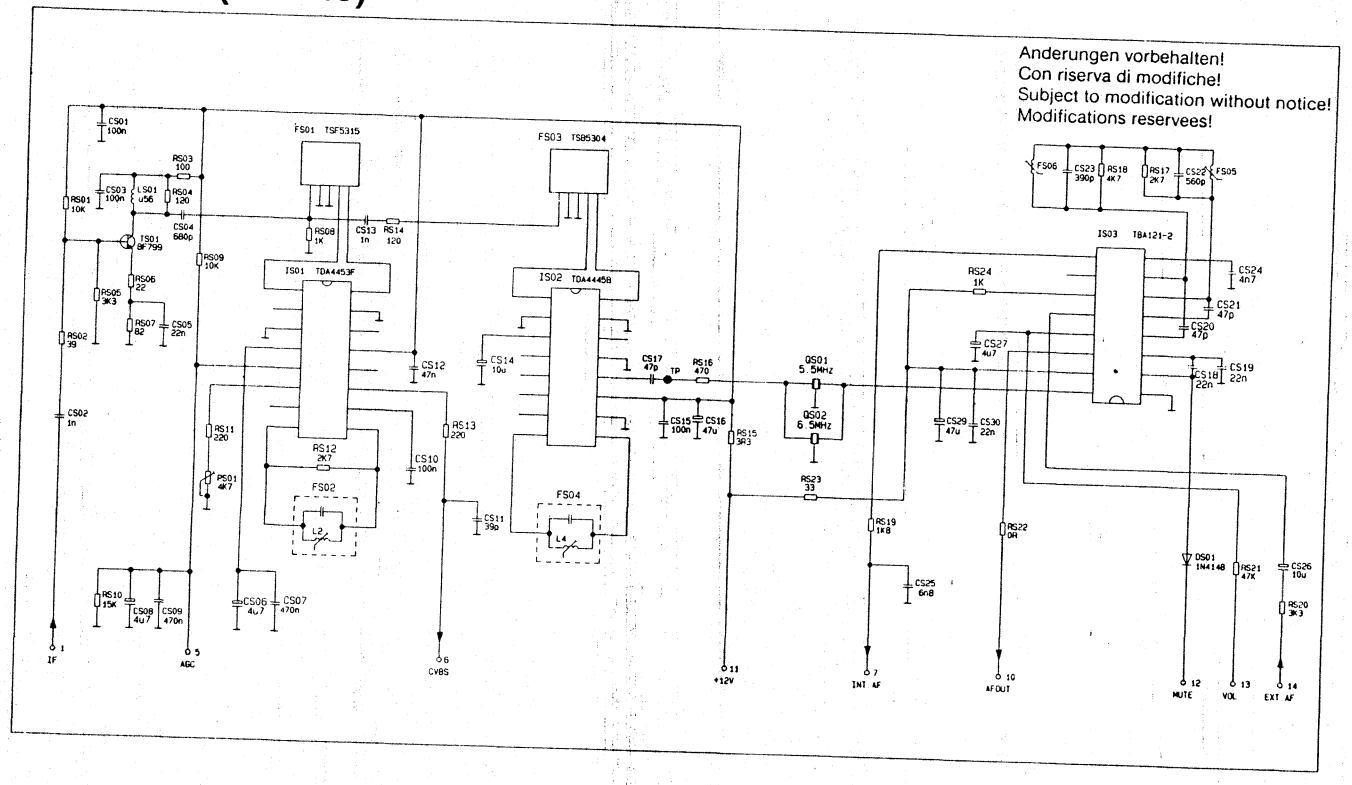
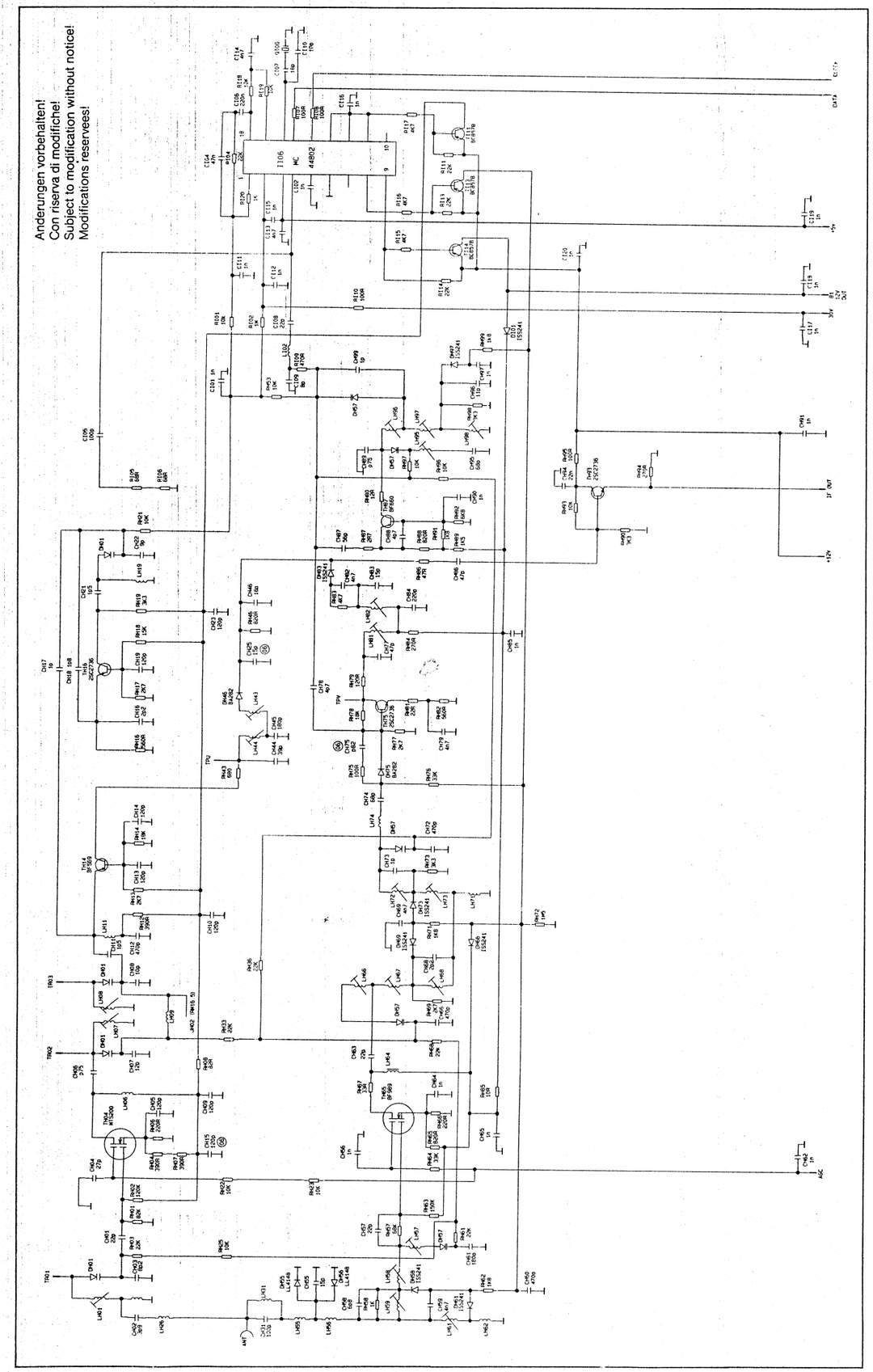
ZF-Modul (IF 2148)



VHF-UHF Tuner MPT 2003



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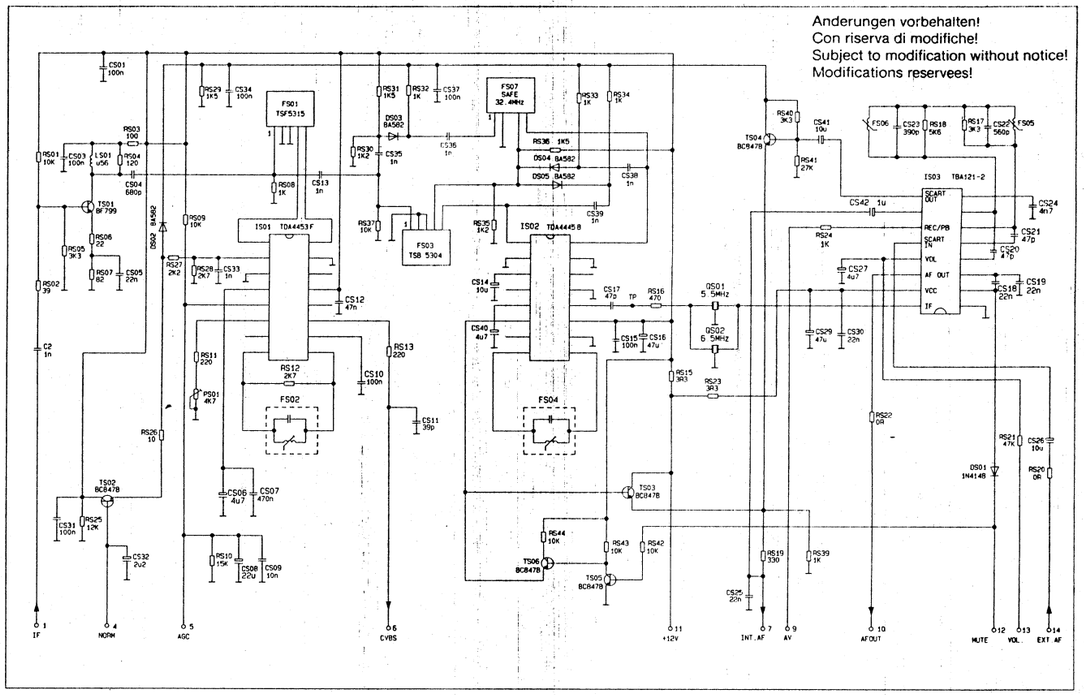
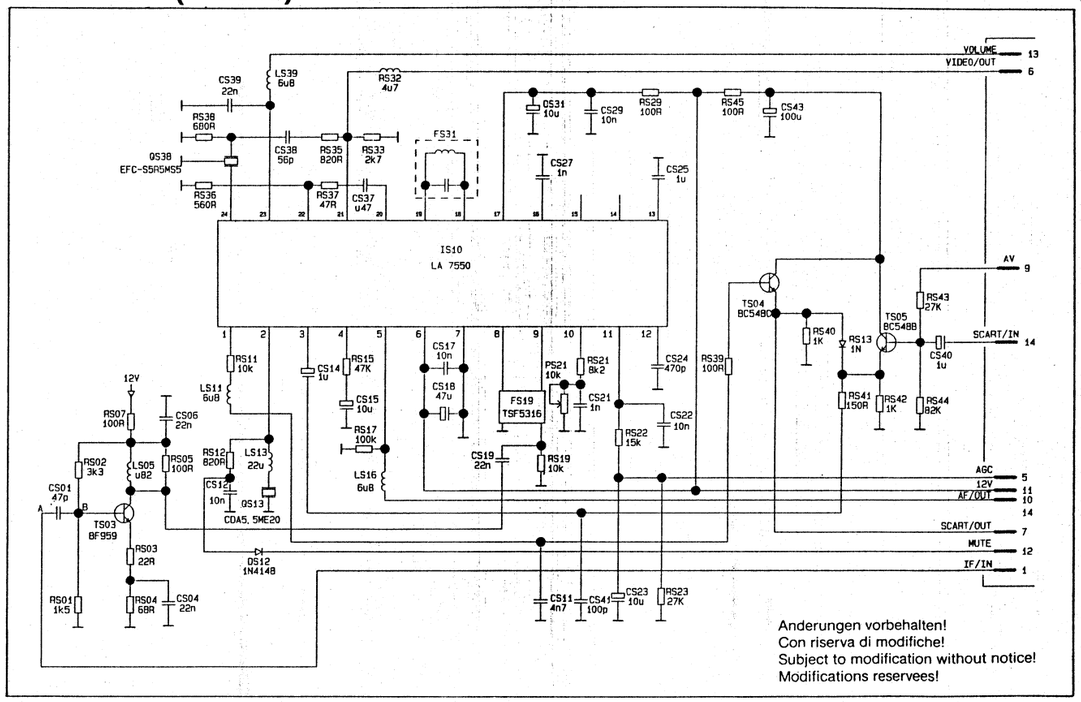
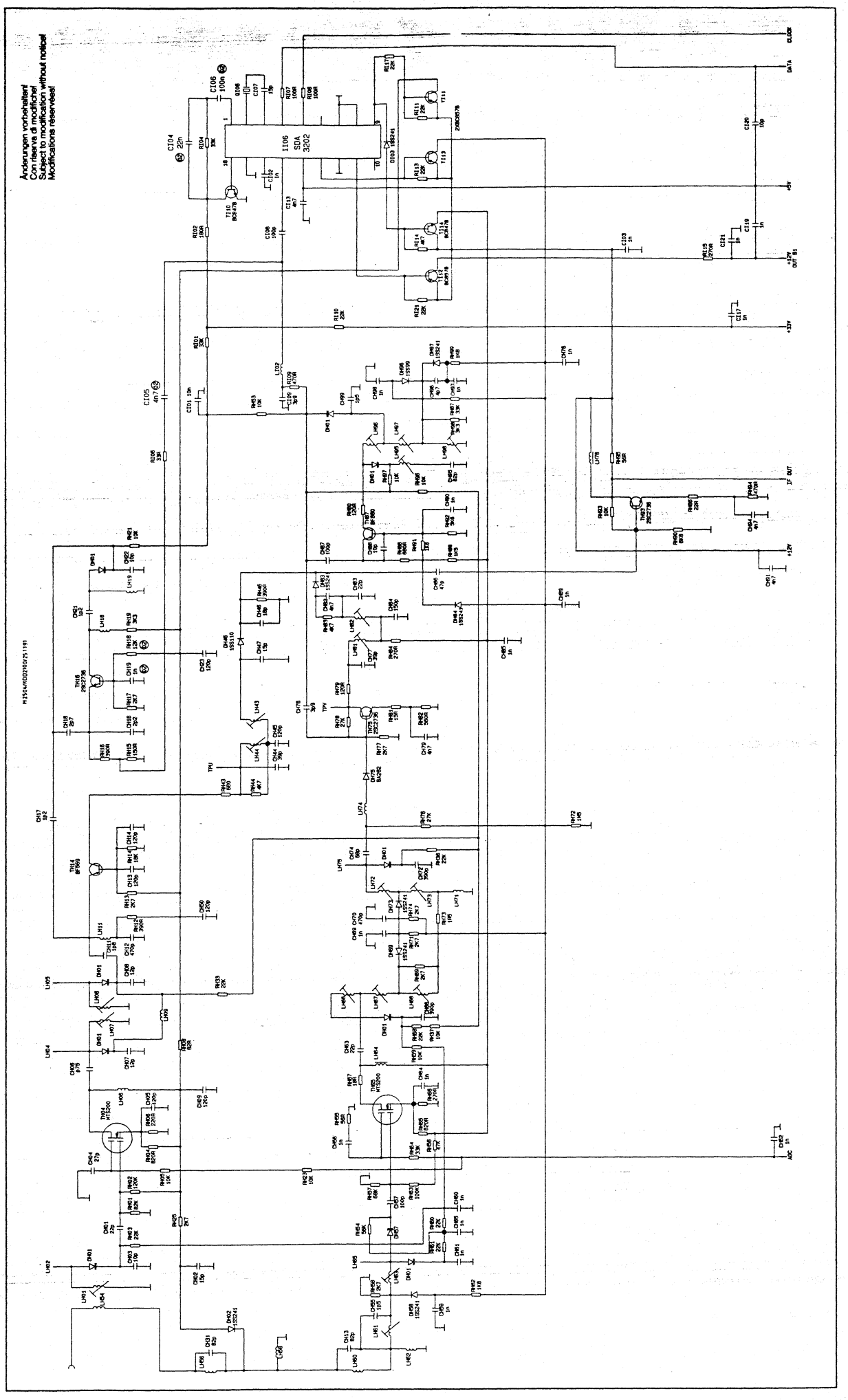


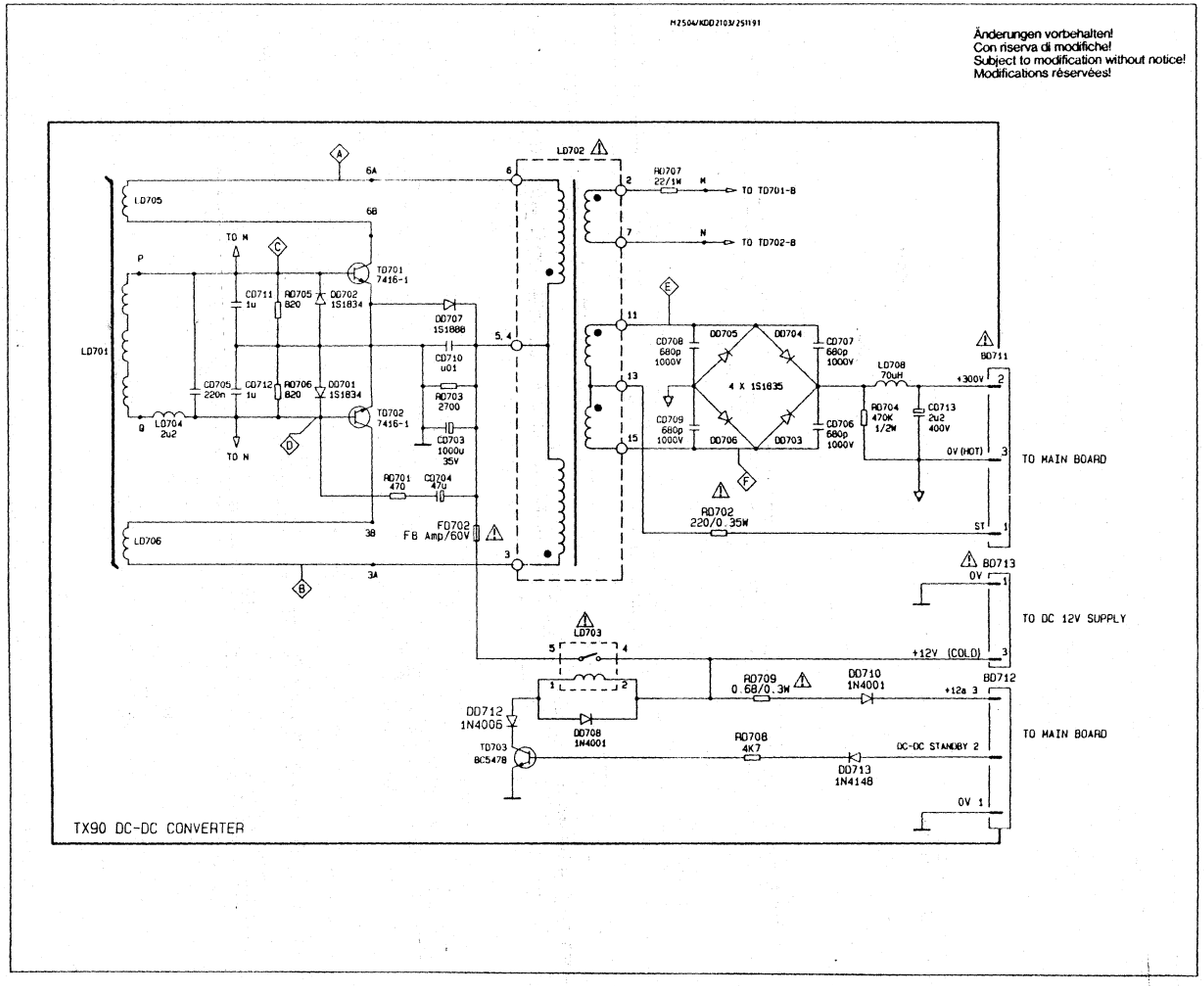
ZF-Modul (IF 2200)



VHF-UHF Tuner (MTP 2015)



DC. DC Converter



❶ Chassis
telaio

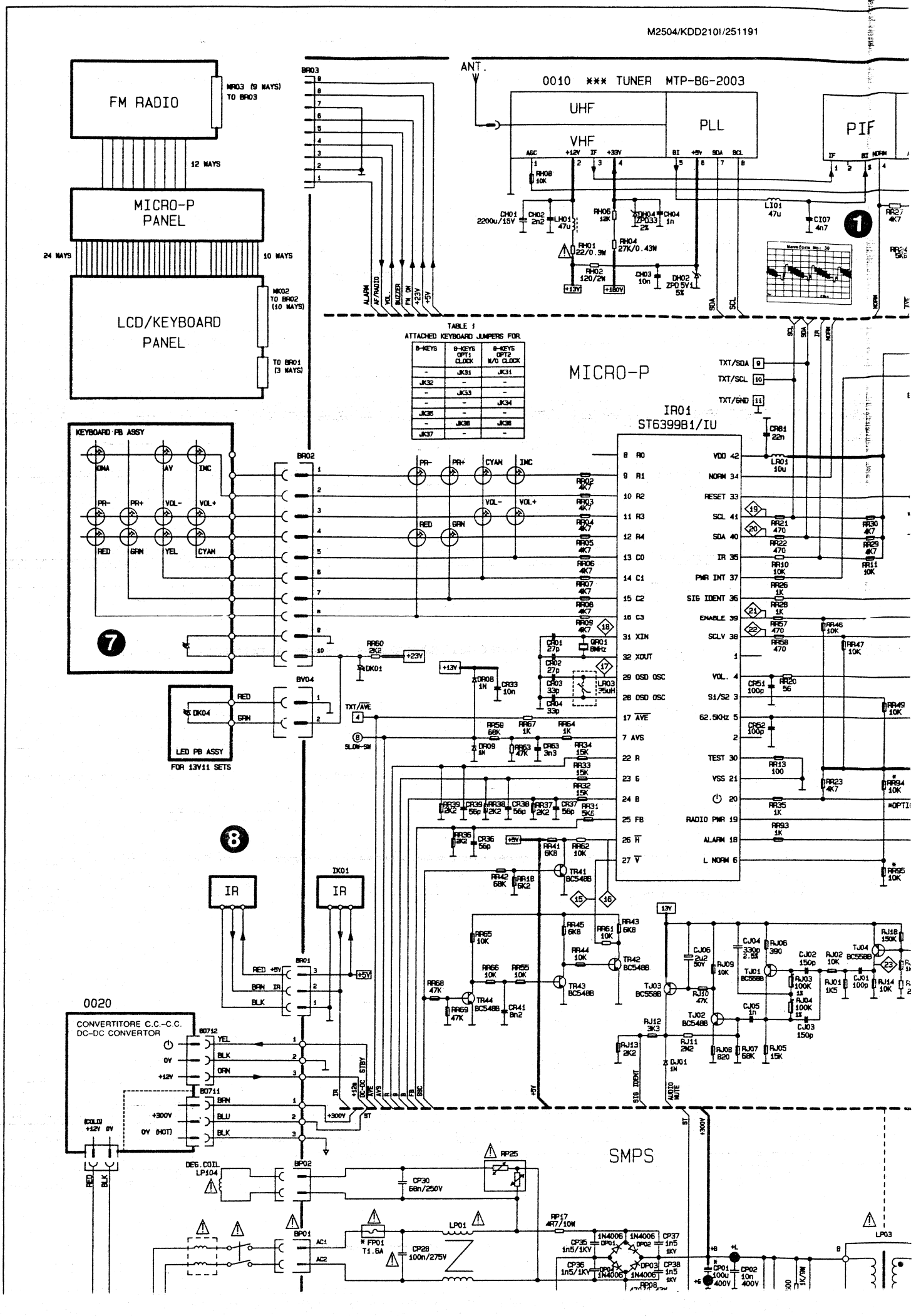
❿ Bildröhren-Platte
Piastra-cinescopia
CRT board
Platine du tube image

⓫ ZF-Modul
modulo IF
IF board

⓰ Videotext-Modul
modulo televideo

❼ Tastenplatte
Piastra tasti
Key-board
Platine du commutation

❽ IR-Vorverstärker
Preamplificatore IR
IR-pre-amplification
Préamplification



M2304/KDD210 2/251191

0110 ***IF-2108

PIF | SIF | 11 AUDIO AMP. VOL. CONTROL

16 Videotext-Modul
TELETEXT PANEL
modulo televideo

BV01 21-PIN SCART

IS01
TDA2006

IV01
TEA5040S

IC01
TEA5640F

CHROMA

VIDEO

CRT PANEL 10

LOUDSPEAKER
DIN

EARPHONE
SOCKET Ø 3.5mm

SPEAKER
16 OHMS
2W

CHASSIS
GND

TABLE 3 **

ITEMS	10"	14"	15"	16"	20"
CL22	7nF/1K5V	6n5F/1K5V		8n2/1K5V	8n2/1K5V
LL03	112uH	90uH		58u	58uH
LL04	2436911	2436218		FM05211	2436892
RT66	120K	82K			
RS09	10R/0.35W	10R/0.35W		10R/0.35W	1R8/0.35W
RS08	11K	11K		11K	12K
RL18	-	6K8		5K6	5K6
CL26	360n/250V	360n/250V		470n/250V	470n/250V
LP104	DC1003B	DC993A		DC-9010-10A	DC-931A
CP22	100u160V	100u160V		100u160V	220u160V
RT66	120K/0.1W	82K/0.1W			
DO10 (SPK)	16/2W	16/2W		16/2W	8/4W

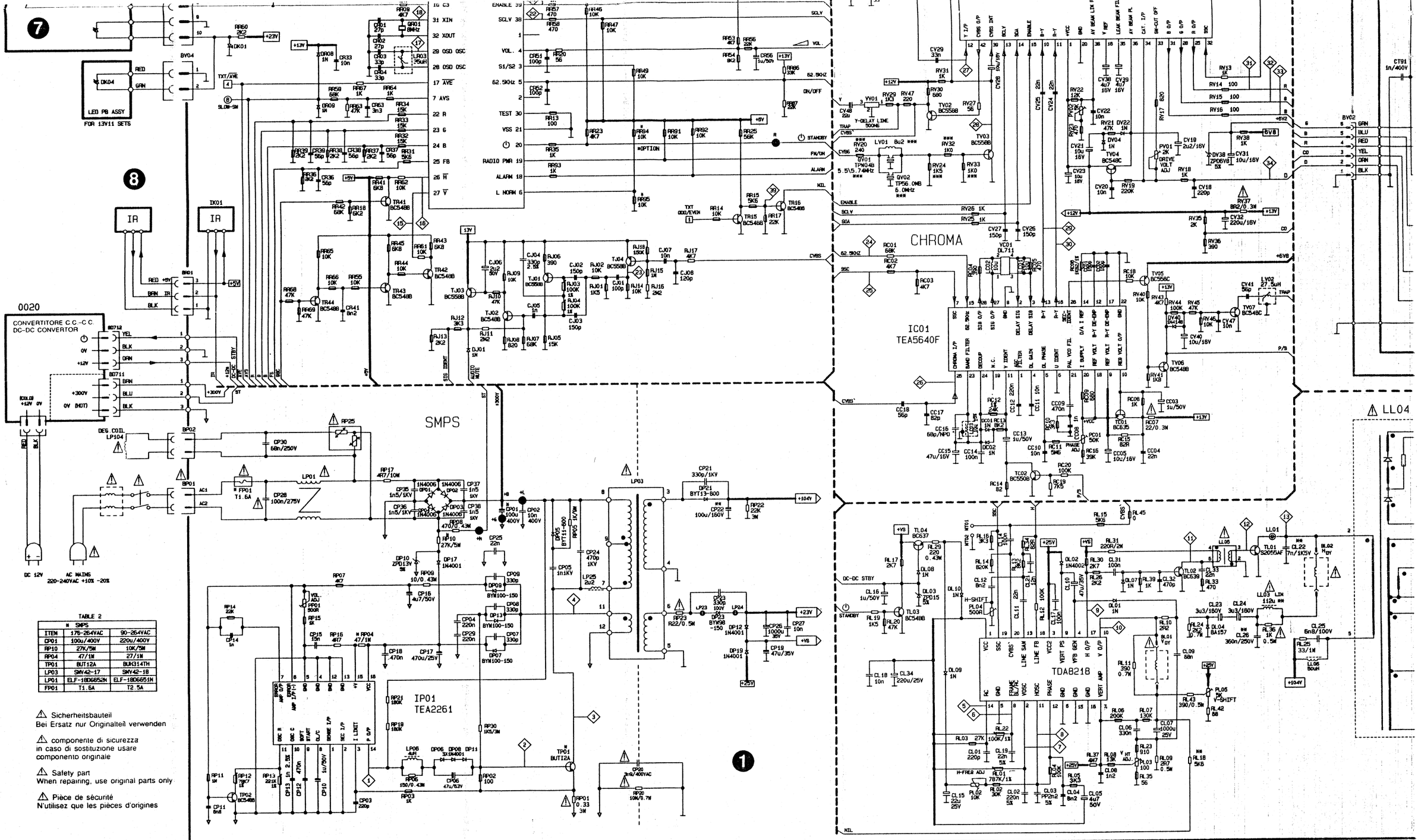


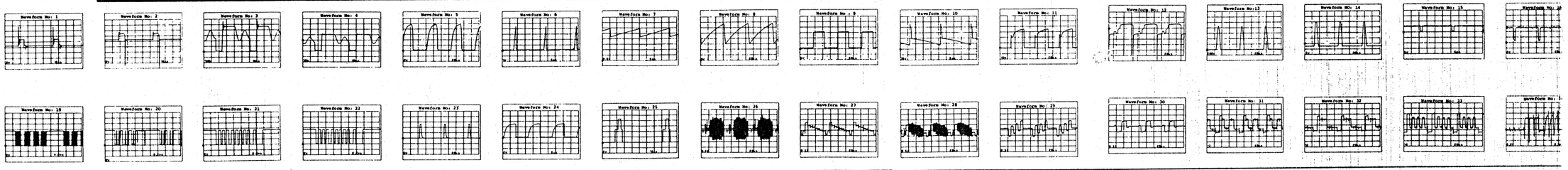
TABLE 2		
M SMPS		
ITEM	176-264VAC	90-264VAC
CP01	100u/400V	220u/400V
RP10	27K/5W	10K/5W
RP04	47/1W	27/1W
TP01	BUT12A	BUH314TH
LP03	SMV42-17	SMV42-18
LP01	ELF-18D665N	ELF-18D665N
FP01	T1.6A	T2.5A

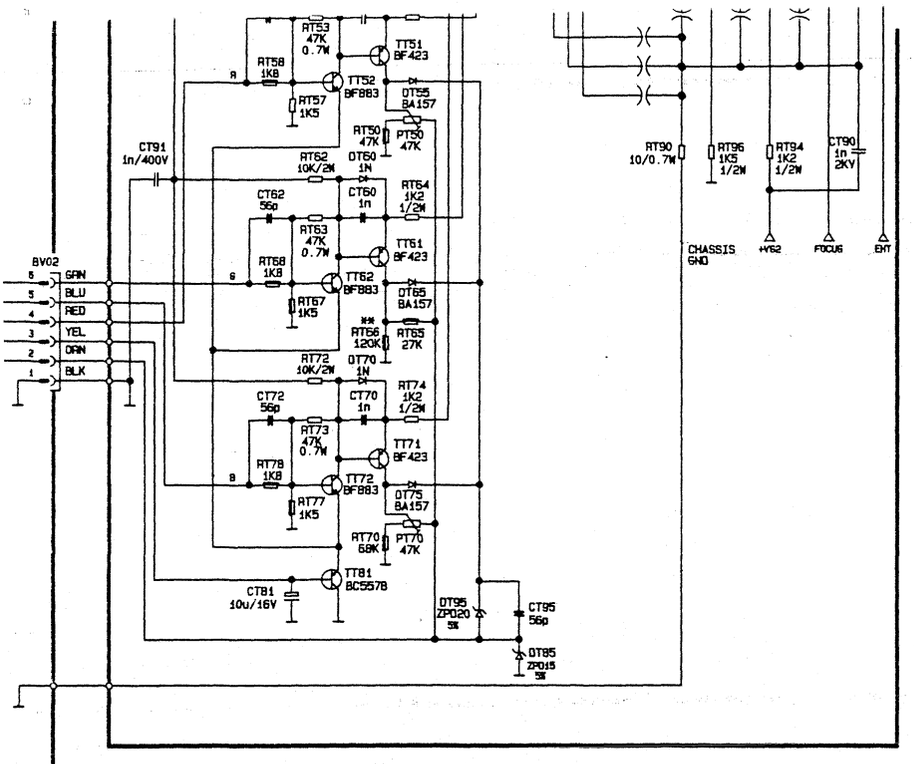
⚠ Sicherheitsbauteil
Bei Ersatz nur Originalteil verwenden

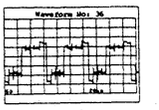
⚠ componente di sicurezza
in caso di sostituzione usare
componento originale

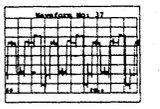
⚠ Safety part
When repairing, use original parts only

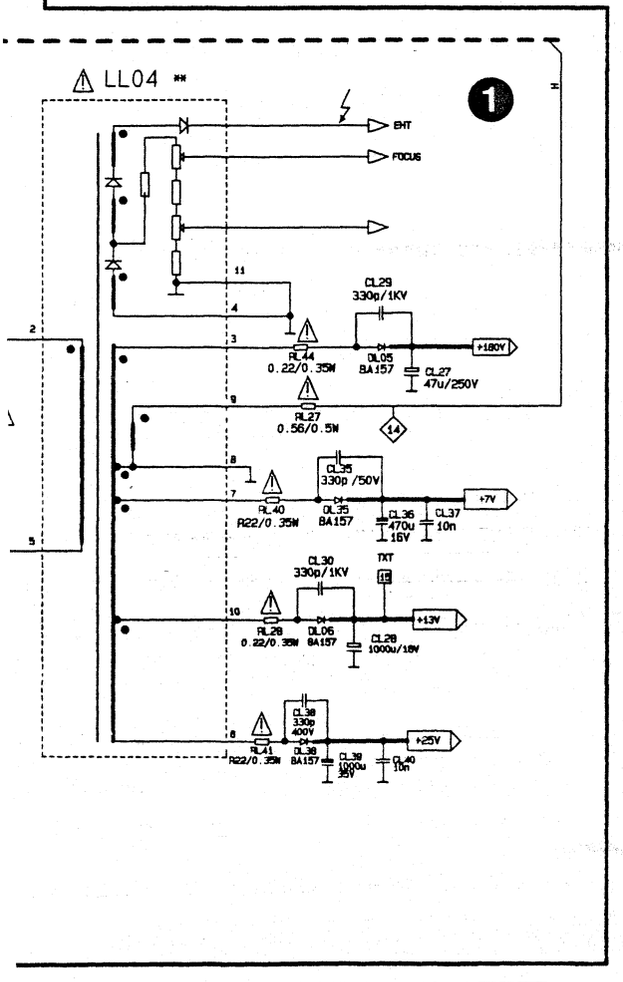
⚠ Pièce de sécurité
N'utilisez que les pièces d'origines











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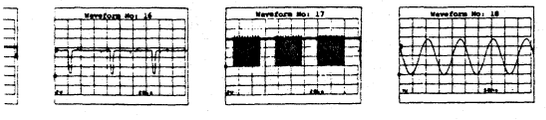
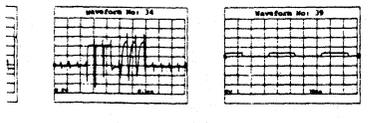
MELF – Widerstand

Dioden ohne Bezeichnung IN4148





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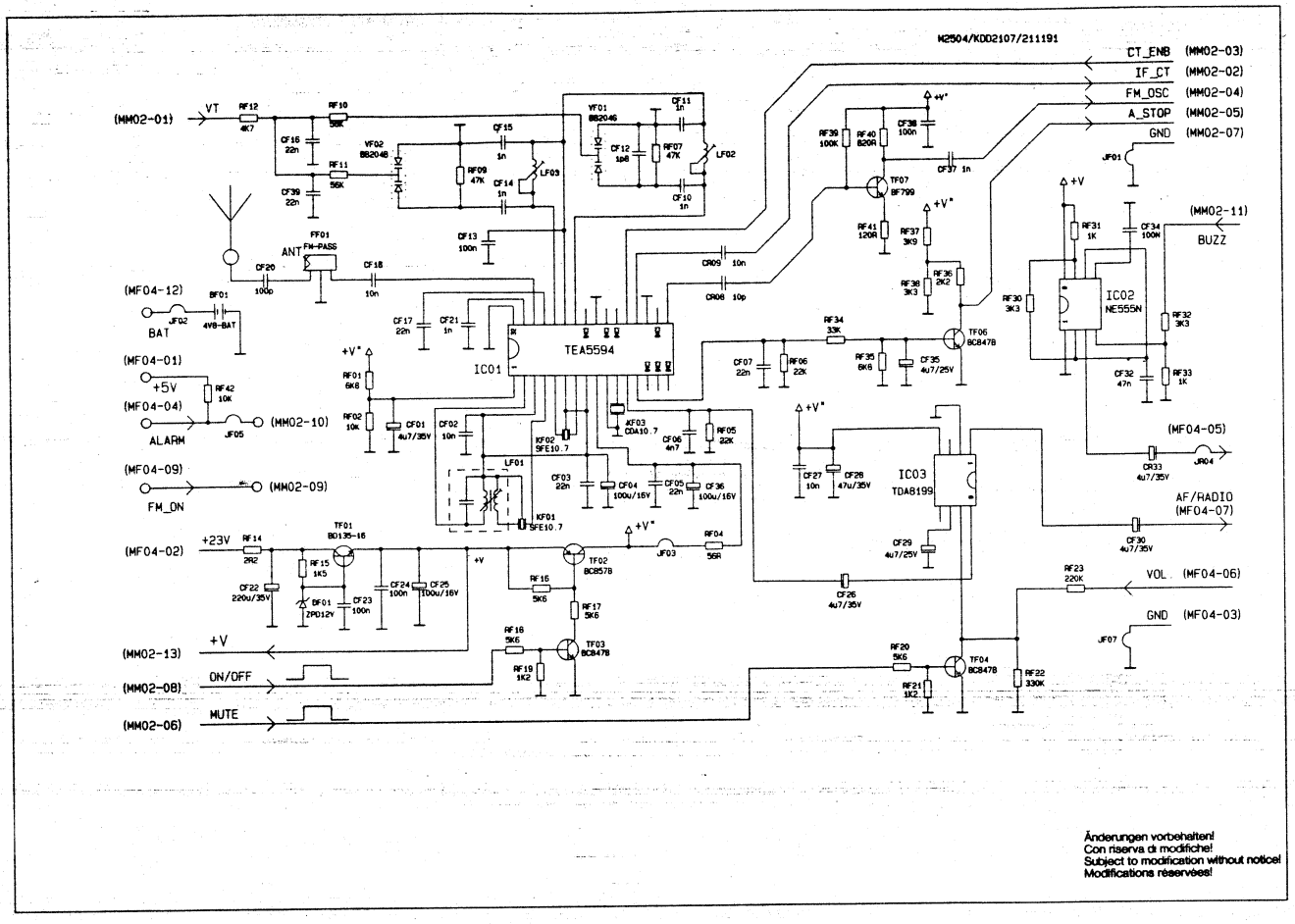
Modifications réservées!

FM-Radio



Microprozessor-Modul (FM/Uhr)